

New Methods for the Determination of Very Small
Amounts of Ozone, by E. A. Perehud, E. M.
Stepanenko, 4 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XV, No 1, 1960,
pp 96-98.

CB

Soi
Aug 61

163, #916

Tracking of Air Targets at Night Time, by H.
Stepanenko, 9 pp.

RUSSIAN, per, Vest Voz Flota, Vol XXXVII, No 2,
Feb 1955. CIA 638525

ATTC F-75-8684/V

Sci - Aeronautics
Jan 59

80,511

Production of Plasma by Radial Compression and
Measurement of Some of Its Parameters, by M. D.
Borisov, V. G. Zykov, I. A. Stepanenko, 16 pp.

RUSSIAN, bk, Poluchenie Plazmy Metodam Radial'nogo
Szhatiya i Izmerenie ee Nekotorykh Parametrov, 1960.
9094426

ARC Tr-4705

176, 823

Sci - Phys
Dec 61

Computation of Shunts and Additional
Resistors for Semiconductor Diodes Connected
in Series and in Parallel, by I. P. Stepanenko,
6 pp.

RUSSIAN, per, Radiotekh, Vol XVII, No 2,
1962.

AIEE

Sci

Aug 62

209,878

Present Status and Some Prospects of Microelectronics,
by I. N. Patrikeyev, I. P. Stepanenko, 22 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved MVISSO SSSR
po Radelu Radiotekh, Vol VI, No 6, 1963, pp 507-601.

JPRS 23925

Sci

Apr 64

253,605

(NY-5231/6)

Temperature Dependence of the Voltage on a
p-n Junction, by I. P. Stepanenko, 11 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Ser
Radiotekh, Vol III, NO 6, 1960.

JPRS 73¹₈

165,135

Sci
Aug 61

(NY-5231/RTL)

International Conference on Semiconductor
Devices, by I. P. Stepanenko, 6 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, MVO
SSSR, Radiotekh, Vol III, No 1, 1960.

JPRS 7378

Sci

Apr 61

146,854

~~SECRET~~
(NY-6499, RM2)

Transient Characteristics of a Semiconductor
Junction-type Diode, by I. P. Stepanenko, 15 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, MVSSO,
Ser Radiotekh, Vol VI IV, No 2, 1961, pp 175-184.

JPRS 11075

175, 832

Sci
Dec 61

Transistorized Counter Circuits, by B.N.
Konov, I.P. Stepanenko, 14 pp.

RUSSIAN, per, Atomnaya Energiya, Vol II, 1957,
No 4, pp. 364-375.

Consultants Bureau

Sci - Nuc Phys

Jun 58

65,039

Investigation of the Radiation From ^{Tb}160 by
the Method of Coincidences, by I. P. Stepanenko,
L. Ya. Shavtvalov, 5 pp.

RUSSIAN, bino per, Is Ak Nauk SSSR, Ser Fiz,
Vol XIX, No 3, 1955, pp 317-323.

Columbia Tech Tr

Sci - Physics
Apr 57 CTS

45,674

Expansion of a Circular Cylindrical Tube
Subjected to Dynamic Loads, by I. Z. Stepanenko,
5 pp.

UKRAINIAN
~~RUSSIAN~~, per, Prikladna Mekhanika, Vol III, 1957,
pp 225-228. 9201386

AEC UCRl-tr-876 (L)

Sci - Engr
Jan 63

220,453

Stepanenko, L.
INVESTIGACION DEL PROCESO DE LA PRIMERA
SATURACION EN UN ABSORBEDOR DE PULVERIZA-
CION Y NUEVO METODO DE SUMINISTRO DEL GAS
DE SATURACION (Issledovanie Protsessa i saturatsii
v Orosetel'nom Absorbere i Novyi Sposob Podachi
Saturatsionnogo Gaza) (Research on the Primary Satur-
ation Process in a Spray Absorber and Description of
a New Saturation Gas Supply Method). 29p.
CID: 62-236.

Order from OTS, ETC or CID \$1.07 62-29236

Trans. in Spanish of *Sakharaya Proizvolnost'*
(USSR) 1957 [v. 31] no. 4, p. 39-66.

DESCRIPTOR: *Gases, Sprays, *Absorption.

(Engineering--Chemical, TT, v. 18, no. 7)

62-29236

- I. Title: Gas supply method
- I. Stepanenko, L.
- II. CID-62-236
- III. Centro de Informacion y Documentacion, Madrid (Spain)

Ac 47466

Office of Technical Services

Thermal Analysis of the Coking of Coal Tar
Pitches, by T. Ya. Gogoleva, M. A. Stepanenko,
3 pp.

RUSSIAN, per, ~~Khim~~ Khim, No 3, 1960.

Coal Tar Research Association

Sci

Sep 60

127,551

Stepanenko, M. A. and Matusiak, N. I.
COAL-TAR PITCH WITH SOFTENING TEMPERA-
TURE 250° OR ABOVE. [1961] Sp.
Order from GTS or SLA \$1.10

61-20922

Trans. of Koks i Khim[ia] (USSR) 1957, no. 10,
p. 38-41.

DESCRIPTORS: *Coal tar, *Pitch, Temperature,
Melting, Oxidation, Cooling, Viscosity, Distilling
plants.

Investigations conducted under laboratory conditions
have demonstrated the possibility of preparation, by
the method of oxidative polymerization, of condensates
of pitches with a wide range of softening temperatures,
up to high-melting products giving 18-20% yield of
volatiles. In this case two production schemes are
possible: (1) preparation of pitch with softening
(Engineering--Chemical, IT, v. 7, no. 7) (over)

61-20922

I. Stepanenko, M. A.
II. Matusiak, N. I.

197232

Office of Technical Services

Stepanenko, M. A., Matusiak, N. L. and others.
ACCELERATION OF THE PROCESS OF PREPARATION OF HIGH-MELTING PITCH. [1961] 4p.
Order from OTS or SLA \$1.10 61-20920

Trans. of Koks i Khim[ia] (USSR) 1957, no. 7,
p. 43-46.

DESCRIPTORS: Melting, *Pitch, Oxygen.

(Engineering--Chemical, TT, v. 7, no. 7)

61-20920

I. Stepanenko, M. A.
II. Matusiak, N. L.

197231

Office of Technical Services

Physicochemical Properties of Pitch Coke, by
M. A. Stepanenko, N. J. Matusyak, 3 pp

RUSSIAN, per. Koks & Khim, No 6, 1920, pp 28-31

Coal Tar Res Assoc

Sci

Nov 60

133,025-

Operation of Pitch Coke Ovens Using Continuous
Charging, by M. A. Sterenepko, K. I. Matunyak,
T. Ya. Gogoleva, P. L. Saltan, B. H. Moroz,
F. Z. Elenskiy, 10 pp.

RUSSIAN, no per, Koks i Khimiya, No 6, Jun 1956,
pp 28-32.

CIA/FDD X-2380

Sci - Min/Metals
Apr 1957 CTS/dex

47,067

Intensifying the Working of Glass Tank
Furnaces with the Help of Electric Booster
Heating, by M. G. Stepanenko, K. K. Vilnis, 5 pp.

RUSSIAN, per, Steklo i Keramika, Vol XIX,
No 9-10, 1962, pp 1-5.

CB

Sci
May 64

260,228

~~Abstract~~

A Method of Assessing Tank Furnaces With
Developed Working Installations, by
M. G. Stepanenko, 8 pp.

RUSSIAN, per, Steklo i Keramika, Vol XIX, No 3,
1962, pp 1-6.

CB

Sci
May 64

260,219

The Electrochemical Activation of Cements, by
O. P. Nchedlov-Petrosyan, M. G. Stepanenko,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, (CXL),
No 1, 1961, pp 172-.

CH

Bel

Nov 62

217,063

The Effect of the Boundary Arrangement on the
Thermal Balance in the Tank-Furnace Cooling
Zone, by M. G. Stepanenko, V. S. Pavlov, 6 pp.

RUSSIAN, per, Steklo i Keramika, Vol XVI, No 4,
~~198~~ 1959, pp 6-10.

CB

Sci
Sep 62

210,389

Stepanenko, M. G.
ESTABLISHING THE CORRECT DESIGN FOR RE-
GENERATORS (Festlegung der Zweckmässigen
Abmessungen von Regeneratoren) tr. from Russian
by Y. Kvederavich. [1962] [19]p. (foreign text in
German included) 16 refs.
Order from SLA \$1.60

62-10947

Trans. of Silikat Technik (East Germany) 1953, v. 4,
no. 4, p. 147-150 (originally pub. Steklo i Keramika
(USSR) 1950, v. 7, no. 2, p. 5-9.

DESCRIPTORS: *Glass, Melting, *Furnaces, *Heat
exchangers, Design, Corrections

(Materials--Ceramics, TT, v. 8, no. 6)

62-10947

I. Stepanenko, M. G.

C222775

Office of Technical Services

Heat Exchange Between Catch and Flame in the Glass
Furnace, by K. K. Vilins, M. G. Stepanenko, 3 pp.

RUSSIAN, per, Stakio i Keramika, Vol XVI, No 3,
1959, pp 8-11.

CB

Sci
Sep 62

210,380

The Effect of Gas Tightness of the Regenerator
System in Glass Furnaces on Their Efficiency, by
V. A. Knochmar, M. G. Stepanenko, 2 pp.

Russian, per, Steklo i Khimika, Vol XV, No 10
1958, pp 28-30

CB

Sci

733,140

Nov 2 60

The Efficiency of Glass-Tank Furnaces, by H. G.
Stepanenko, 3 pp.

Russian, per, Steklo i Keramika, Vol XV, No 9,
1956, pp 1-3.

CB

Sci

133,128

Nov 60

Gas-Electric Glass-Melting Tank Furnaces, by
M. G. Stepanenko, 6 pp.

Russian, per, Steklo i Keramika, Vol XV, No 12,
1958, pp 8-12.

CB

155, 156

Sci

Nov 60

Optimum Temperature Schedule for the Melting Zone
in Glass Tank Furnaces, by K. K. Vilnis, V. V. Pollyak,
M. G. Stepanenko, 5 pp.

RUSSIAN, per, Steklo i Keramika, Vol XV, No 4,
1960, pp 1-5.

CB

X Sci
Oct 60

130,513

Nomogram for Calculating the Specific Consumption
of Heat in Glass Melting, by M. G. Stepanenko, 5 pp.

RUSSIAN, per, Steklo i Keramika, Vol XV, No 8,
1958, pp 8-11.

CB

Sci

Oct 60

129,221

by
The Design of a Glass Tank Furnace, by M. G.
Stepanenko, 3 pp.

RUSSIAN, per, Steklo i Keramika, Vol XIII,
No 9, 1956, pp 27-28.

Consultants Bureau

Sci - Chem, Engr

Jun 59

90,537

Investigation of Fast Electrons in Powerful Pulsed
Discharges, by H. G. Kovalskiy, I. M. Podgornyy,
M. M. Stepanenko, 5 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXVIII,
No 5, 1960, pp 1439-1445.

AIP
Sov Phys-JETP
Vol XI, No 5

135,475

Sci -
Dec 60

62-10926

Stepanenko, M. G. and Tomashevich, I. O.
SOME OPERATING RESULTS OF SKP COMBINATION
FURNACE (Nekotorye Itogi Raboty Kombinirovannoi
Pechi "SKP"). [1962] [10]p. (foreign text included).
Order from OTS or SLA \$1.10 62-10926

Trans. of Legkaya Promyshlennost' (USSR) 1948,
v. 8, no. 5, p. 22-24.

DESCRIPTORS: *Glass, Processing. *Heating plants.
Industrial production.

(Materials--Ceramics, TT, v. 8, no. 4)

I. Stepanenko, M. G.
II. Tomashevich, I. O.

020026

Office of Technical Services

Effectiveness of the Use of Luminous Flames in
Glass Furnaces, by M. G. Steranenko, N. A.
Sheludyakov, 6 pp.

RUSSIAN, no per, Steklo i Keramika, Vol XIII,
No 4, Apr 1956, pp 5-8.

Consultants Bureau

Scientific - Engineering

43,111

Feb 57 CTS

Dissociation Pressure of $\text{Li}_2\text{CO}_3 \cdot \text{H}_2\text{O}$ at 25-45°,
by M. M. Popov, Yu. V. Gagarinskiy, N. N.
Stapanenko, 6 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol II, No 7,
1957, pp 1457-1459.

AEC-tr-4057

Sci - Chemistry

Dec 60

PST 84

134,134

Electrical Properties of Peat, by N. N. Stepanenko,
I. E. Belokopytov, N. A. Bogomolov, ⁴ pp.

RUSSIAN, bimo^{per}, Kolloid Zhur, Vol XIV, No 6,
(Nov-Dec), 1952, pp 467-469.

Consultants Bureau

Scientific - Chemistry

Mar 54

CTS/DEX

10,071

101
Sole Relationships for Bottom Hole Breakdown
in Wells with Hydraulic Percussion Drilling,
by P. G. Stepanenko and A. A. Amanzholov,
RUSSIAN, per, Razvedka i Otkrytiya Nedr, Vol
XXIX, No 2, 1963, pp 52-54.
RTS 13-4520

P. G. Stepanenko

Sci-
Apr 67

321,563

Construction and Technical Reconstruction
of Railways in China, by S. I. Stepanenko,
6 pp. UNCL

RUSSIAN, per, Byul Tekh-Ekon Informatsii,
No 5, 1959, pp 78-81.

LLU Tr Bul
Dec 59

FE - China
Econ
Feb 60

106,681

Icing and Its Prevention, by Engr M. Yurkevich,
V. Stepanenko, 5 pp. ^C

RUSSIAN, no per, Kryl'ya Rodiny, No 1, 1956,
pp 10-11. Encl to IR-1108-57, AFOIN-1A1.

AF 1076145

Sc1 - Aeronautics
Mar 57 CTS/dex

44, 702

Radar Methods of Meteorological Observations, by
V. S. Nolepats, V. D. Stepanenko, 220 pp. .

RUSSIAN, bk, Radiopokatsiomye Metody Meteoro-
pogicheskikh Nabyudeny, Leningrad, 1961, pp 1-175.
9668628-V

FTD-TT-62-1423

Sci-Phys
May 63

229,779

Improving the Meteorological Target Detection
Efficiency of the "Kobal'T" Radar, by V. D.
Stepanenko, 5 pp.

RUSSIAN, per, Trudy Tsentral Aerolog Obser-
vatoriya, No 20, 1958, pp 67-72.

ATS-66L36R

Sci
Sep 61

169,122

A Technique For Obtaining Stable Preparations of the Sodium Salt of Fructose-1, 6-Diphosphate ("Sodium-FDP" Preparations), by V. N. Stepanenko, L. N. Bobrova, 5 pp.

RUSSIAN, per, Biokhim, Vol XXII, No 6, 1957, pp 1019-1022.

Consultants Bureau

Sci - Med

Aug 58

69, 526

Influence of Forest Plantations on the Physical
and Chemical Properties of Dark-Chestnut Soil
in Western Kazakhstan, by I. T. Stepanets,
8 pp.
RUSSIAN, per, Pochvovedeniye, No 9, 1963,
pp 75-84.

Scripta Technica

Sci
Oct 64

268,175

Elements of Ash Exchange in 10-year Old Elm and
Birch Plantations on Dark-Chestnut Soils, by
I. T. Stepanets, 5 pp.

RUSSIAN, per, Pochvovedeniye, No 2, 1963, pp 68-74.

Scripta Technica

Sci
Jun 64

259,882

Moisture Consumption by Birch and Chinese ~~XXXX~~Elm
Plantations on Ural Dark Chestnut Soils, by I. T. Stepanets,
9 pp.
RUSSIAN, per, Pochvovedeniye, No 9, 1962, pp 69-79.

ST

Sci

Feb 63

249,295

Some Observations During a Foot and Mouth Disease
Epidemic, by L. I. Zorabian, L. S. Pogorian, E. M.
Marutian, Z. K. Manukian, E. D. Stepanian, E. G.
Shaginian, R. A. Khanbegian.

RUSSIAN, per, Veterinariia, Vol IX, 1956, pp 35-41.
CIA 9016906

USDA

Sci - Medicine
Mar 56

60, 262

The Respiratory Function in Tuberculosis and
Other Chronic Diseases of the Lungs, by E. S.
Stepanian.

RUSSIAN, per, Sovrem Probl Tuberk, Vol VII, No 4,
Moscow, 1956, pp 3-13.

NIH 152

Sci - Med
Dec 58

77,414

Treating With Natural Gastric Juice of Dogs Post-
Foot-and-Mouth Disease Complications in Agricul-
tural Animals, by G. G. Stepanian, S. L. Avjakian.

RUSSIAN, no per, Veterinariya, Vol XXXIV, No 7,
Jul 1957, pp 45-47. CIA 9012912

4
USDA

Sci - Biol

53,780

Oct 57

62-10913

Stepanik, J.

BEHAVIOR OF INTRAOCULAR PRESSURE OF EYES
WITH GLAUCOMA SIMPLEX AFTER LOCAL USE
OF GUANETHIDINE (ISMELIN, CIBA) (Das Verhalten
des Augendruckes von an Glaucoma Simplex
Erkrankten Augen nach Lokaler Anwendung von
Guanethidin (Ismelin, CIBA)). [1962] 6p. 2 refs.
Order from SLA \$1.10 62-10913

Trans. of [Klinische] Monatsblätter f[ür] Augenhell-
kunde (West Germany) 1961, v. 139, p. 174-179.

DESCRIPTORS: *Eye, *Glaucoma, *Drugs,
*Guanethidine, Therapy, Pressure, Measurement,
Pilocarpine.

In eyes affected with simple glaucoma the tension-
lowering effect of 10% ismelin eye drops (CIBA) has
been investigated by means of 3 test series. It could
(Biological Sciences--Pharmacology, TT, v. 8, no. 6)
(over)

1. Stepanik, J.

C222766

Office of Technical Services

The Behavior of Scleral Rigidity During the
Priscoline Test, by J. Stepanik, 4 pp.

GERMAN, per, Klinische Monatsblätter für
Augenheilkunde, Vol CXXXIV, No 6, 1959,
pp 833-835.

SLA 60-14544

Sci
Feb 62
Vol III, No 11

184,870

The Epidemiological Rôle of Cats in the Spread of
Microsporidia Among Human Subjects, by Z. G.
Stepanishcheva, 4 pp.

RUSSIAN, per, Zhur Mikrobiol Epidemiol i Immunobiol,
Vol XXXII, No 4, 1961, pp 127-130.

✱ PP

Sci

Oct 62

216,074

Changes in the Yeast Flora of Mucous Membranes
During Treatment With Aureomycin and Synthomycin, by
Z. G. Stepanishcheva, 7 pp.

RUSSIAN, per, Zhur Mikrobiol Epidemiol i Immunobiol
Vol XXVIII, No 2, 1957, pp 94-99.

Pergamon Inst

Sci - Med
Jan 59

79,172

Characteristics of the Roads, by Olena Stepaniv,
5 pp. (ID 942171). UNCLASSIFIED

RUSSIAN, bk, Suchashiy L'viv, New York City,
1953.

G-2, GSUBA
G-3756

USSR
Economic

Dec 54 CTS/DEX

21,112

Water Metabolism in the Canal Experimental
Techniques: by M. K. Stepankina, K. T. Tashenov,
5 pp.

RUSSIAN, per, Fiz Zhar SSSR in I. M. Sechenova, Vol
XLIV, No 9, 1958, pp 991-996.

Pergamon Inst

SAl - Mad

Feb 59

81,901

Lowering Methane at Cutting Machines and Combines
Auxiliary Ventilation on the Machines Themselves,
by Stepanov.

UKRAINIAN, per, Ugol KUKrainy, No 1, 1960,
pp 16-18.

NCB A.1856
P.536

Sci

Aug 61

List No 41

163,538

Plasma Motion in a Moving Magnetic Field, by Stepanov
et al, 13 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved Fiz, No 1,
1960, pp 104-114.

ACSI H-9279
ID 2166471

Sci - Phys
Aug 61

162,931

History of the Soviet Fighter Aviation, by
A. Aleksandrov, A. Stepanov, 17 pp.

RUSSIAN, per, Vestnik Vozdushnogo Flota,
No 2, Feb 1955, pp 65-74⁵; Encl to IR-229-55,
22 Mar 1955. CIA D 192951.

AF 656790

26,777

USSR

~~Sci - Aerodynamics~~

Military

61-19739

Stepanov, A., Kusun, A. and others.
SPECIFIC POLYSACCHARIDES OF THE BLOOD, tr.
by H. Norris. 23 Oct 41, 11p.
Order from OTS or SLA \$1.60

61-19739

Trans. of Biokhimiya (USSR) 1940, v. 5, no. 5,
p. 547-556.

DESCRIPTORS: *Blood chemistry, *Saccharides

I. Stepanov, A
II. Kusun, A.
III. National Institutes of
Health, Bethesda, Md.

Office of Technical Services

(Biological Sciences--Biochemistry, TT, v. 6, no. 1)

The Rate of Development and Organization of the Power Economy, by A. Stepankov, 9 pp.

RUSSIAN, per, Voprosy Ekon, No 5, 1961, pp 19-26.

JPRS 4870

USER

164,434

Econ

Aug 61

IMMEDIATELY EXPLORED GOLD-BEARING CON-
GLOMERATES IN THE EASTERN PART OF THE
SOVIET UNION, BY YU. P. IVENSEN, A. A.
STEPANOV, ET AL, 19 PP.

RUSSIAN, PER, RAZVEDKA I OCHRAMA NEDR, NO 2,
1950, PP 1-7.

JPRS 19613

USSR
ECON
MAY 63

231,482

²
(SF-2308)

CHEMICAL WEAPONS AND PRINCIPLES OF ANTICHEMICAL
DEFENSE, BY A. A. STEPANOV, V. N. POPOV, 112 PP.

RUSSIAN, EK, ~~IZDANIE~~ KHIMICHESKOYE ORUZHIE
I OSNOVY PROTIVOKHIMICHESKOY ZASHCHITY,
MOSCOM, 1962, PP 1-126.

JPRS 15107

USSR
MIL
SCI - CHEM
SEP 62

210,195

Reflection of Light from a Liquid Surface and
Its Connection with the Process of Crystallization
by V. A. Kisei^o, A. F. Stepanov, 13 p.

RUSSIAN, par, Optika i Spektroskopiya, 1957,
Vol II, No 2, pp 263-268.

SLA 59-20362

Sci
Mar 60
Vol 2, No 12

109261

Automatic Device for Testing the Installation
of Bunched Conductors, by A. I. Stepanov,
9 pp. SECRET

RUSSIAN, per, Aviats Prom, No 2, 1958, ~~MAXX~~
pp 50. 9679711

FTD-TT-62-1587

Sci-Engr
Mar 63

224,740

(NY-1374/43)

Pneumatic Holder for Pasteur Pipets, by
A. K. Adamov, A. I. Stepanov

RUSSIAN, no per, Voenno Med Zhur, No 11,
Moscow, Nov 1961, pp 81-81

US JPRS: 12766

Sci

Mar 62

188,357

At the Cost of Life, by . A. M. Stepanov, N. M.
Stepanov, 6 pp.

RUSSIAN, per, Vest Voz Flot, No 4, 1959, pp 76-78
650843.

ATIC

USSR
Mil
Dec 59

104,183

A Cryostat for Preparing Thin Sections of Unfixed
Tissue Cooled With Freon-12, by S. M. Klimenko,
A. N. Stepanov, N. V. Gusev, 3 pp.

RUSSIAN, per, Voprosy Viruzol, Vol V, No 1, 1960,
pp 106-108.

PP

Sci -
Jan 61

135,312

Apparatus for Recording Proton Relaxation in
Liquids in Weak Magnetic Fields, by A. F.
Stepanov, 4 pp.

RUSSIAN, par. Pribery 1 Tekh Eksper, No 3, 1962,
pp 102-106.

ISA

Sci

Apr 63

233,501

106
A Nuclear Precession Magnetometer
With Combined Processes of
Polarization and Metering, by
A. I. Filatov, A. P. Stepanov, et al,

9 pp.

RUSSIAN, ^{not} ~~for~~, Overhauser Effect
Magnetometer, No 2, Jan-Feb 1963,
PP 165-173.

Dept of Navy Tr 4608/ONI Tr 2070

A. P. Stepanov

Sci- n. Sci
May 66

299,705

(NY-3000)

Automated Production Requires Qualitatively
Higher Worker Skills, by N. A. Silant'yeva,
A. P. Stepanov, 6 pp.

RUSSIAN, per, Mashinostroitel', No 9,
1961, pp 43-44.

JPRS 13117

USSR
Econ
Mar 62

189,315

Use of a Foam Adsorber for Removal of Toxic Carbon
Dust From Air Leaving an Adsorber With Fluidized
Beds of Adsorbent, by I. P. Zemskov, A. S.
Stepanov, 5 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXV, No 11,
1962, pp 2467-2471.

CB

241, 9 1967

Sci

Oct 63

Electrophysiological Investigation of Fatigue in
Muscular Activity, by A. S. Stepanov, M. L. Burlakov,
5 pp.

RUSSIAN, per, Fiziol Zhur SSSR imeni I. M. Sechenova,
Vol XLVII, No 6, 1961.

Elsevier Pub Co.

Sci

Oct 62

213,949

Regeneration of Activated Carbon in Removal of
Mercury and Organomercury Compound Vapors From
Waste Gases, by I. F. Zenskov, A. S. Stepanov,
N. M. Teplyakov, 3 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXXIII, No 5,
1960, pp 1222, 1223.

CB

Sci

Apr 61

149,611

Electromyogram Changes Produced by Training in
Weight-lifting, by A. S. Stepanov, 6 pp.

RUSSIAN, per, Fiz Zhur BSSR in I. M. Sechenov,
Vol XLV, No 3, 1959, pp 129-136.

2
Pergamon Inst

Sci - Med

Jul 59

91,733

On the Problem of the Complications and Changes
in the Internal Organs from Thermal Burns; by
I.A.Krivorotov, A.S.Stepanov, and K.S.Ivanov

RUSSIAN, no per, Voenno Med Zhur, No 8,
Moscow, Aug 1958, pp 1-8

US JPRS 1030-N

Sci-Med

Dec 58

78,195

Artificial Slip Formation and Dislocation Structure in Sodium Chloride Crystals, by E. M. Nadgerud, A. V. Stepanov, 8 pp. RUSSIAN, per, Kristallografiya, Vol VII, No 4, 1963, pp 441-451.

**Amer Inst of Phys
Rev Phys - Crystal
Vol VII, No 4**

**Sci
Feb 64**

330,710

ly of Dislocations in Sodium Chloride Crystals, by
A. V. Stepanov, 6 pp.

FIJAN, per, Fiz Tverdogo Tela, Vol V, No 4, 1963,
-1005 pp.

Amer Inst of Phys
Sov Phys - Solid State
Vol V. No 4

63

242,011

Artificial Slip Formation and Dislocation Array
in Sodium Chloride Crystals, by E. M. Nadgornyi,
A. V. Stepanov, 11 pp.

RUSSIAN, per, Fiz Tverdog Tela, Vol V, No 4, 1963,
1006-1020 pp.

Amer Inst of Phys
Sov Phys - Solid State
Vol V, No 4

Sci
Oct 63

242,012

Theory of Resonance Scattering by Atomic
Systems, by I. Derivation of General Formulas,
by M. V. Kazarnovskiy, A. V. Stepanov, 7 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz,
Vol XLII, No 2, 1962, pp 489-498.

AIP
Sov Phys - JETP
Vol XV, No 2

Sci
Sep 62!

211,661

An Optical Method of Investigation of Averaged
Stressed States in Small-Grained Polycrystals. III.
Photoelastic (Piezooptical) Properties of Poly-
crystalline Silver Chloride, by R. A. Zhitnikov,
A. V. Stepanov, 8 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVI, No 4,
Apr 1956, pp 786-794.

Amer Inst of Phys
Soviet Phys-Tech Phys
Vol I, No 4

Sci - Physics
Aug 57

51, 713
See memo sub
57/1807

An Optical Method of Investigation of Averaged Stressed States in Small-Grained Polycrystals. II. Photoelastic Effects in a Crystal of the Cubic System Under Plane Loading, by R. A. Zhitnikov, A. V. Stepanov, 7 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVI, No 4, Apr 1956, pp 779-785.

Amer Inst of Phys
Soviet Phys-Tech Phys
Vol I, No 4

Sci - Physics
Aug 57

57, 7/2

Sci mus Sib
57/207

An Optical Method of Investigation of Averaged Stressed States in Small-Grained Polycrystals. I. Preparation of Small-Grained Polycrystal Specimens of Silver Chloride, by R. A. Zhitnikov, A. V. Stepanov, 8 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVI, No 4, ~~XXV~~
Apr 1956, pp 772-778.

SC L T-169
Amer Inst of Phys
Soviet Phys-Tech Phys
Vol I, No 4

Sci - Physics
Aug 57

51, 711
Sci mus sil 57/1807

On the Material Constants Necessary for the
Description of the Elastic Properties of
Crystals, by A. V. Stepanov, 7 pp.
Abstract

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV,
1955, pp 2203-.

CIA/PDD X-2525

Sci - Physics
Aug 57

57, 846

Dependence of the Optical Elasticity Limit
Determined on the Basis of the System (111);
[011] Upon Temperature for Rock Salt Crystals, by
A. V. Stepanov, V. P. Bobrikov, 5 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVI, No 4,
Apr 1956, pp 795-799.

Amer Inst of Phys
Soviet Phys-Tech Phys
Vol I, No 4

51,714

Sci - Physics
Aug 57 .

Reasons for the Singular Behaviour on Failure
of Elastic-Anisotropic Bodies, by A. V. Stepanov,
36 pp.

RUSSIAN, per, Iz Akad Nauk SSSR, Ser Fiz, Vol 14,
No 1, 1950, pp 122-141.

Sci Museum Lib No 51/2067 - London

A11565

STEPANOV, A. V.

Cleavage Phenomena in ~~Supersaturated~~ Crystals

~~Zhur~~ Tekhn Fiz, Vol XIX, No 4, 19 49.

Sci Museum Library
50/1896

PA ~~1~~ 48/49T95

A11564

New Optical Method of Studying Stresses in Polarized Light, by A. V. Stepanov, 19 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol 19, No 2, 1949, pp 205-217.

Sci Museum [#]Litno 51/2154 - London

A11563

Temperature Dependence of the Elastic Constants of
Monocrystals of Sodium Chloride and Silver Chloride,
by A. V. Stepanov, I. M. Eidus, 6 pp.

RUSSIAN, no per, Zhur Ekspri i Teoret Fiz, Vol XXIX,
No 5, Nov 1955, pp 669-675.

Amer Inst of Physics
Soviet Physics, Vol II, No 3

Sci. - Physics
Tab 57 GHS

43,746

Experimental Determination by an Optical Method of
the Stresses in an Anisotropic Plate under the Action
of a Concentrated Force. II, by V. M. Krasnov, A. V.
Stepanov, E. F. Shvedko, 3 pp.

RUSSIAN, per, ^Zhur Ekaper i Teoret Fiz, Vol XXIV,
No 4, 1958, pp ~~894-898~~. 894-898

Amer Inst of Phys,
Sov Phys - JETP,
Vol VII (34), No 4

Sci - Phys

Nov 58

76,970

Sci/Physics

C

Phenomenon of Artificially Produced Shear, Part I, by
A. V. Stepanov. UNCLASSIFIED

RUSSIAN, no per, Zhur Eksper i Teoret Fiz, Vol XVII, No 7,
1947. *paper 601-606*

Navy Tr 973/NRL 324

Jan cts
pp 601-606 *51*

A11562

S.L.H. Tr

On the Mechanical Twinning of Quartz, by A. V. Stepanov, 6 pp.

RUSSIAN, Zhur Eksper i Teoret Fiz, Vol 20, No 5, 1950, pp 438-441.

Sci Museum Lib No 51/3366 - London

Sci- Physics

AEC TR-1116
Jan 52 CTS.

Also known as Bevans Natl Y. 6
A11561

Dislocation Theories of Strength and Plasticity,
by A. V. Stepanov, 20 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 9, ~~1954~~ 1954, pp 90-107.

Sci Mus Lib 55/2506

Sci - Physics

Also available in British periodical, Research,
Vol IX, No 6, 1956, pp 227-236 in CIA Library or most
US libraries

24.404

On the Phenomenon of Mechanical Twinning, A. V.
Stepanov,

RUSSIAN, per, Zhur Eksper i Teoret Fiz, No 8,
1947, pp 713-723.

~~50/3663~~

Sci Museum Lib No 50/3663 - London

AECT R 1099 Sep 51 CTS.

A11566

On Bond Forces in Crystals of Elements of Groups
V and VI in Mandeleev's Periodic System, by A. V.
Stepanov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIV, No 4, 1951
pp 800-.

Amer Inst of Phys
Sov Phys - Doklady
Vol IV, No 1

Sci - Phys

97,096

Temperature Dependence of the Elastic Constants
of Single Crystals of Potassium Chloride and
Sodium Fluoride, by S. P. Nikanorov and A. V.
Stepanov. pp 788.

RUSSIAN, per, Fiz Tverdogo Tela, Vol IV, No 9,
1962, pp 2576-2584.

Amer Inst of Phys
Sov Phys - Solid State
Vol IV, No 9

Sci
Jun 63

342,305

Investigation (to) Linear Stresses in Polycrystalline
Silver Chloride by an Optical Method, by R. A.
Zhitnikov, A. V. Stepanov, 10 pp.

RUSSIAN, Ser, ZhurTekh Fiz, Vol XXXVIII, No 10,
1958, pp 2237-2247.

Amer Inst of Phys
Sov Phys - Tech Phys
Vol III, No 10

Sci Phys

Jun 59

90,090

Comperison with Theory of Experimental Results
Obtained by an Optical Method of Investigating
Stresses in Polycrystals, by R. A. Zhitnikov,
A. V. Stepanov, 7 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVIII, No 10,
1958, pp 2228-2236.

Amer Inst of Phys
Sov Phys - Tech Phys
Vol III, No 10

Sci - Phys

Jun 59

90,089

Production and Properties of Dendritic Germanium
Crystals, by A. V. Stepanov, S. V. Tsivinskii, 8 pp.

RUSSIAN, per, Fizika Tverdogo Tela, Vol V, No 1,
1963, pp 81-90.

Amer Inst of Phys
Sov Phys - Solid State
Vol V, No 1

Sci -
Sep 63

344 '765

New Method of Producing Articles (Sheets, Tubes,
Rods, Various Sections, etc) Directly From Liquid
Metal, I, by A. V. Stepanov, 10 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXIX, No 3, 1959,
pp 381-393.

AIP
Vol IV, No 3

Sci - Phys
Oct 59

100,131

Dislocation Movement in Sodium Chloride Crystals
By E.Yu. Gutmanas, E.M. Nadgornyi, A.V. Stepanov,
pp 5

RUSSIAN, per, Fiz Tverdogo Tela, Vol V, No 4, 1963.
pp 1021-1026

Amer Inst of Phys
Sov Phys - Solid State
Vol V, No 4

Sol

Oct 63

240-992